P.	ATENT COOPE	RATION TREA	ATY
From the INTERNATIONAL SEARCHING AUT	HORITY		
То:			PCT
Page White & Farrer 54 Doughty Street London WC1N 2LS		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY	
United Kingdom			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	2 3 -06- 2005
Applicant's or agent's file reference 304850WO/PRS		FOR FURTHER A	ACTION See paragraph 2 below
International application No. PCT/IB2004/004379	International filing data 21.12.2004	te (day/month/year)	Priority date (day/month/year) 23.12.2003
International Patent Classification (IPC) H04M 1/02, E05D 11/0		ication and IPC	
Applicant Nokia Corporation et	al	1	
Box No. IV Lack of unity Box No. V Reasoned state applicability; Box No. VI Certain documt Box No. VII Certain defect Box No. VIII Certain obsert 2. FURTHER ACTION If a demand for international preliminary Examining Authority other than this one to be written opinions of this International If this opinion is, as provided above	ment of opinion with report of invention ement under Rule 43bis citations and explanation ments cited ts in the international approach on the internation in any examination is many examination of the experience of the exp	gard to novelty, invent (1(a)(i) with regard to ms supporting such star plication and application ade, this opinion will to except that this does no EA has notified the Invented in the so considered itten opinion of the IPI endments, before the except the exc	be considered to be a written opinion of the tapply where the applicant chooses an ternational Bureau under Rule 66.1 bis(b) that ed. EA, the applicant is invited to submit to the expiration of 3 months from the date of mailing
Name and mailing address of the ISA/s Patent- och registreringsverk		Authorized officer	
Box 5055 S-102 42 STOCKHOLM		Roland Lar	ndström /OGU

Telephone No. +46 8 782 25 00

Form PCT/ISA/237 (cover sheet) (January 2004)

Facsimile No. +46 8 667 72 88

BEST AVAILABLE CUPY

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB2004/004379

Во	x No. 1	Basis of this opinion	
1.	which it w	rd to the language, this opinion has been established on the basis of the international application in the language in vas filed, unless otherwise indicated under this item. his opinion has been established on the basis of a translation from the original language into the following language,	•
		, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 d 23.1(b)).	
2.		ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of: f material	
		a sequence listing table(s) related to the sequence listing	
	b. format	of material in written format	
		in computer readable form	
	c. time o	of filing/furnishing contained in the international application as filed.	
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority for the purposes of search.	
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	Addition	al comments:	
	·		
:			
		•	
			ا۔

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB2004/004379

Box No. V Reasoned statement under Rule 43bls.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1 - 14, 18	YE
	Claims 15 - 17, 19	NO
Inventive step (IS)	Claims	YE.
	Claims <u>1 - 19</u>	NO
Industrial applicability (IA)	Claims 1 - 19	YE
	Claims	NO

2. Citations and explanations:

The invention is intended to improve a hinge etc.

The following documents are cited:

D1: US 5970580 A D2: US 6437973 B1

Document D1 (column 2, line 17 - column 3, line 42, figures 1 - 3) discloses a hinge for mechanically connecting two parts of a handheld electronic device, wherein the hinge has a through hole for receiving a cable (8) and a spring washer (13).

Document D2 (column 2, line 35 - column 4, line 32, figures 1 - 2) discloses a hinge module (36) for mechanically connecting two parts (22, 28) of a handheld electronic device, wherein the hinge module has a flat flexible cable (168) with connectors (162,166) at both ends for connection to the components of the two parts (22, 28).

The invention claimed in claims 1 - 14 differs from what is known from document D1 essentially in that two hinges are mounted on a bracket with the through holes in alignment, i.e. the axes in alignment.

The technical problem is how to provide more space for cables.

. . . / . . .

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB2004/004379

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V.

It is well known to mechanically connect two parts of a handheld electronic device by the use of two hinge elements. Consequently, it would be obvious to a person skilled in the art to modify the hinge of document D1 by providing two hinges of the type known from document D1 with the through holes in alignment. Therefore, the invention claimed in claims 1 - 14 is novel but lacks an inventive step. Claims 1 - 14 fulfil the requirement of industrial applicability.

The invention claimed in claims 15 - 17 and 19 is essentially known from document D2 and therefore lacks novelty and an inventive step. Claims 15 - 17 and 19 fulfil the requirement of industrial applicability.

The invention claimed in claim 18 differs from what is known from document D2 essentially in that the hinge has a boss with a through hole for the cable.

The technical problem is how to provide an alternative arrangement for the cable.

Document D1 discloses a hinge having a boss with a through hole for the cable. Considering the documents D1 and D2 belong to the same technical field and no unexpected technical effect is obtained, it would be obvious to a person skilled in the art to modify the hinge of document D2 by providing the hinge with a boss having a through hole for the cable. Therefore, the invention claimed in claim 18 is novel but lacks an inventive step. Claim 18 fulfils the requirement of industrial applicability.

To sum up, the invention claimed in claims 1 - 14 and 18 is novel but lacks an inventive step. The invention claimed in claims 15 - 17 and 19 lacks novelty and inventive step. All the claims fulfil the requirement of industrial applicability.